

Special Invited Session 17

Nanodevice Physics

Over the past decade, the rapid advancement of nanofabrication and characterization techniques has provided researchers with a novel platform—nanodevices—for probing and understanding the physics of the nanoscale world. Meanwhile, physics at the nanoscale has, in turn, driven the development of nanodevices in areas such as ultrasensitive sensors, quantum and neuromorphic devices, and nanoelectromechanical systems.

To showcase some of the most recent advances along this forefront, this session focuses on the latest advances and emerging discoveries in nanodevice physics, highlighting both fundamental insights and the underlying physical mechanisms governing device behavior.

Special Invited Session Chairs



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2026 IEEE 21st International Conference on
Nano/Micro Engineered and Molecular Systems

April 17-21, 2026 Chengdu, China

Paper Submission

For the initial submission, the authors can select one of the following two types:

- Type 1: full paper (4-6 pages)
- Type 2: extended abstract (2 pages)

*Note:

- View more on website:

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- Step 1: Please select the track “**Special Invited Sessions**” and click “**Continue**.”
- Step 2: After filling in the basic paper information, please select the topic “**SIS17 – Nanodevice Physics**.”



Important Dates

Initial Submission (Full Paper or Extended Abstract)	Jan. 31, 2026
Notification of Acceptance	Feb. 10, 2026
Late-News Submission Deadline	Feb. 28, 2026
Early Registration Deadline	Mar. 10, 2026
Presentation-Only Submission Deadline	Mar. 10, 2026
Final Submission Deadline	Mar. 10, 2026

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